Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-19 (Canceled)

Claim 20 (Withdrawn): A diabetes self-care system, comprising:

    (a)   a blood glucose meter;

    (b)   a portable microprocessor-based unit signal coupled with the blood glucose meter such as to be capable of downloading blood glucose measurement data into the portable microprocessor-based unit;

    (c)   said blood glucose data being used as input data for a program of instructions running on the portable microprocessor-based unit; and

    (d)   said program of instructions including instructions to send a signal to inject insulin when blood glucose levels do not remain in a predetermined range.

Claim 21 (Withdrawn): The system of claim 20, said program of instructions including instructions to send a signal to advance to next treatment steps.

Claim 22 (Withdrawn): The system of claim 20, said program of instructions including instructions to display an indicator to check blood glucose level on a display screen of the portable microprocessor-based unit.

Claim 23 (Withdrawn): The system of claim 20, said program of instructions including instructions to display an indicator to select insulin plan on a display screen of the portable microprocessor-based unit.

Claim 24 (Withdrawn): The system of claim 20, said program of instructions including instructions to display an indicator to get a menu of foods to eat on a display screen of the portable microprocessor-based unit.

13

Claim 25 (Withdrawn): The system of claim 20, said portable microprocessor-based unit being connectable with a remote communication unit.

Claim 26 (Withdrawn): The system of claim 20, said portable microprocessor-based unit being remotely connectable with a hospital computer.

Claim 27 (Withdrawn): The system of claim 26, said portable microprocessor-based unit being remotely connectable with said hospital computer via a telephone line.

Claim 28 (Withdrawn): A method of diabetes self-care, comprising:

signal coupling a blood glucose meter with a portable microprocessor-based unit;

downloading blood glucose measurement data into the portable microprocessor base unit from the blood glucose meter;

running a program of instructions on the portable microprocessor-based unit;

inputting said blood glucose data as input data for the program of instructions running the portable microprocessor-based unit; and

sending a signal including instructions of said program of instructions to inject insulin when blood glucose levels do not remain in a predetermined range.

Claim 29 (Withdrawn): The method of claim 28, further comprising sending a signal to advance to next treatment steps.

Claim 30 (Withdrawn): The method of claim 28, further comprising displaying an indicator to check blood glucose level on a display screen of the portable microprocessor-based unit.

14

Claim 31 (Withdrawn): The method of claim 28, further comprising displaying an indicator to select insulin plan on a display screen of the portable microprocessor-based unit.

Claim 32 (Withdrawn): The method of claim 28, further comprising displaying an indicator to get a menu of foods to eat on a display screen of the portable microprocessor-based unit.

Claim 33 (Withdrawn): The method of claim 28, further comprising connecting said portable microprocessor-based unit with a remote communication unit.

Claim 34 (Withdrawn): The method of claim 28, said connecting including remotely connecting said portable microprocessor-based unit with a hospital computer.

Claim 35 (Withdrawn): The method of claim 34, said connecting including remotely connecting said portable microprocessor-based unit with said hospital computer via a telephone line.

Claim 36 (Withdrawn): A diabetes self-care system, comprising:

(a)   a portable microprocessor-based unit capable of downloading blood glucose measurement data therein;

(b)   a remote communications unit signal coupled for communication with said portable microprocessor-based unit;

(c)   said blood glucose measurement data being used as input data for a program of instructions running on the portable microprocessor-based unit; and

(d)   said program of instructions including instructions to send a signal to inject insulin when blood glucose levels do not remain in a predetermined range.

15

Claim 37 (Withdrawn): The system of claim 36, further comprising a blood glucose meter signal coupled with said portable microprocessor-based unit from which said blood glucose data are downloaded.

Claim 38 (Withdrawn): The system of claim 36, said program of instructions including instructions to send a signal to advance to next treatment steps.

Claim 39 (Withdrawn): The system of claim 36, said program of instructions including instructions to run an operation to check blood glucose level.

Claim 40 (Withdrawn): The system of claim 36, said program of instructions including instructions to run an operation to select insulin plan.

Claim 41 (Withdrawn): The system of claim 36, said program of instructions including instructions to run an operation to get a menu of foods to eat.

Claim 42 (Withdrawn): A method of diabetes self-care, comprising:

signal coupling a remote communications unit with a portable microprocessor-based unit;

downloading blood glucose measurement data into a portable microprocessor-based unit;

running a program of instructions on the portable microprocessor-based unit;

inputting said blood glucose data as input data for the program of instructions running on the portable microprocessor-based unit; and

sending a signal including instructions of said program of instructions to inject insulin when blood glucose levels do not remain in a predetermined range.

Claim 43 (Withdrawn): The method of claim 42, further comprising signal coupling, a blood glucose meter with said portable microprocessor-based unit from which said blood glucose data are downloaded.

Claim 44 (Withdrawn): The method of claim 42, further comprising sending a signal to advance to next treatment steps.

Claim 45 (Withdrawn): The method of claim 42, further comprising checking blood glucose level as a result of running the program of instructions.

Claim 46 (Withdrawn): The method of claim 42, further comprising selecting an insulin plan as a result of running the program of instructions.

Claim 47 (Withdrawn): The method of claim 42, further comprising getting a menu of foods to eat as a result of running the program of instructions.

Claim 48 (currently amended): A system for monitoring a physiological condition and for providing health-related information comprising:

     (a)   a display device including a display screen;

     (b)   an audio speaker;

     (c)   a processor configured to provide audio and visual signals to the display device and audio speaker respectively;

     (d)   at least one memory;

     (e)   at least one physiological data monitor configured to provide a signal representative of a user physiological parameter;

     (f)   an interface coupled between the processor and the physiological data monitor to at least isolate electrically the physiological data monitor from the processor; and

     (g)   a program controller configured to

          (i)   receive an input from a user,

          (ii)   provide a control signal to the processor based upon the user's input, thereby to cause health related information to be provided to the user based upon the signal representative of the physiological parameter and the control signal,

(h)   wherein the physiological parameter includes a blood glucose level and the physiological data monitor includes a blood glucose indicator.

Claim 49 (canceled)

Claim 50 (currently amended): The system according to claim 48 49, wherein the interface includes;

(a)   a signal receiver for receiving the signal representative of a blood glucose level;

(b)   a converter for converting the received signal into a form acceptable to the multimedia processor; and

(c)   a multimedia controller for controlling the processor.

Claim 51 (previously presented): A system for interactively monitoring a blood glucose level and for interactively providing health-related information comprising:

(a)   a blood glucose monitor adapted to measure a blood glucose level of a user and for generating a first signal in response to a measurement of the blood glucose level;

(b)   a processor for receiving a second signal that is a function of the first signal;

(c)   an interface coupled between the blood glucose monitor and the processor

(i)   for receiving the first signal from the blood glucose monitor and

(ii)   for providing the second signal to the processor, and

(iii)   configured to isolate electrically the user from the processor;

(d)   a memory coupled to the processor for storing blood level data; and

(e)   a display system coupled to the processor for displaying a representation of the blood glucose level data, so as to provide health related information to the user in an interactive manner.

18

Claim 52 (previously presented): The system according to claim 51, wherein the interface utilizes optical isolation.

Claim 53 (canceled)

Claim 54 (previously presented): The system according to claim 48, wherein the program controller enables the user to make selections and to control the functions of the health monitoring system.

Claim 55 (previously presented): The system according to claim 54 wherein the program controller is hand-held.

Claim 56 (previously presented): The system according to claim 54, wherein the program controller receives input from the user through at least one push button switch.

Claim 57 (previously presented): The system according to claim 48, wherein health related information provided to the user includes moving images displayed on the display.

Claim 58 (previously presented): The system according to claim 57, wherein the health related information provided to the user includes a comparison of user measurements with previously stored measurements.

Claim 59 (previously presented): The system according to claim 57, wherein the health related information provided to the user includes educational information.

Claim 60 (previously presented): The system according to claim 48, wherein the system is configured to store information on at least one memory for later retrieval.

19

Claim 61 (previously presented): The system according to claim 48, wherein the display is a television display and the processor has at least one removable memory.

Claim 62 (currently amended): A method for monitoring a physiological condition and for providing health-related information comprising:

(a) using at least one physiological data monitor to provide a signal representative of a user physiological parameter;

(b) providing a processor to produce audio and a visual signals for reproduction at a display device and audio speaker respectively;

(c) electrically isolating the processor and the physiological data monitor a display device including a display screen;

(d) using a program controller

(i) to receive an input from a user, and

(ii) to provide signals to the processor based upon the user's input; and

(e) in response and based upon the signal representative of the physiological parameter and the input from the user, having the processor cause the visual and audio provision of health related information to the user,

(f) wherein the physiological parameter includes a blood glucose level and the physiological data monitor includes a blood glucose indicator.

Claim 63 (canceled)

Claim 64 (currently amended): The method according to claim 62 63, further comprising:

(a) receiving a signal representative of a blood glucose level;

(b) converting the received signal into a form acceptable to the multimedia processor; and

(c) using a multimedia controller for controlling the processor.

Claim 65 (previously presented): The method according to claim 62, wherein the electrical isolation is achieved by optical isolation.

Claim 66 (canceled)

Claim 67 (previously presented): The method according to claim 62, further comprising enabling the user to select and control the functions of the health monitoring method.

Claim 68 (previously presented): The method according to claim 67 wherein the program controller is hand-held.

Claim 69 (previously presented): The method according to claim 67, wherein the program controller receives input from the user through at least one push button switch.

Claim 70 (previously presented): The method according to claim 62, wherein health related information provided to the user includes moving images displayed on the display.

Claim 71 (previously presented): The method according to claim 70, wherein the health related information provided to the user includes a comparison of user measurements with previously stored measurements.

Claim 72 (previously presented): The method according to claim 70, wherein the health related information provided to the user includes educational information.

Claim 73 (previously presented): The method according to claim 62, further comprising storing information at least one memory for later retrieval.

Claim 74 (previously presented): The method according to claim 62, wherein the visual signals are reproduced on a television and the processor has at least one removable memory.

Claim 75 (new): An apparatus for interactively monitoring a blood glucose level and for interactively providing health-related information comprising;

    a.   a display device comprising a display screen;

    b.   a multimedia processor coupled to provide a visual signal to the display device wherein the multimedia processor comprises a multiplayer;

    c.   an interface device coupled to the multimedia processor;

    d.   a glucose monitor coupled to provide a signal representative of a blood glucose level to the interface device; and

    e.   a controller coupled to provide a control signal to the multimedia processor based on a user's input.

Claim 76 (new): The apparatus according to claim 75 wherein the multimedia processor comprises a video game console.

Claim 77 (new): The apparatus according to claim 75 wherein the display device comprises a television set.

Claim 78 (new): The apparatus according to claim 75, wherein the multiplayer comprises a CD Rom drive, and whether the apparatus further comprises an interchangeable compact disk removably coupled to the CD-ROM drive for providing additional functionality to the multimedia processor.

Claim 79 (new): The apparatus according to claim 75 wherein the interface device comprises;

    a.   means for receiving the signal representative of a blood glucose level;

   b.   means for converting the signal representative of a blood glucose
level into a form acceptable to the multimedia processor coupled to the means
for receiving; and

   c.   means for controlling the multimedia processor coupled to the
means for converting.

Claim 80 (new): The apparatus according to claim 75, wherein the display
device comprises an audio speaker, and the multimedia processor is coupled to
provide an audio signal to the display device.

Claim 81 (new): An apparatus for interactively monitoring a blood glucose level
and for interactively providing health-related information comprising;

   a.   a display device comprising a display screen;

   b.   a multimedia processor coupled to provide a visual signal to the
display device wherein the multimedia processor comprises a multiplayer;

   c.   an interface device coupled to the multimedia processor;

   d.   a glucose monitor coupled to provide a signal representative of a
blood glucose level to the interface device; and

   e.   a controller coupled to provide a control signal to the multimedia
processor based on a user's input, so as to provide health related information to
the user in an interactive manner based upon the signal representative of the
blood glucose level and the control signal.

Claim 82 (new): The apparatus according to claim 81 wherein the multimedia
processor comprises a video game console.

Claim 83 (new): The apparatus according to claim 81 wherein the multiplayer
comprises a CD Rom drive, and wherein the apparatus further comprises an
interchangeable compact disk removably coupled to the CD-ROM drive for
providing additional functionality to the multimedia processor.

Claim 84 (new): The apparatus according to claim 81 wherein the interface device comprises;

      a.   means for receiving the signal representative of a blood glucose level;

      b.   means for converting the signal representative of a blood glucose level into a form acceptable to the multimedia processor coupled to the means for receiving; and

      c.   means for controlling the multimedia processor coupled to the means for converting.

Claim 85 (new): The apparatus according to claim 81, wherein the display device comprises an audio speaker, and the multimedia processor is coupled to provide an audio signal to the display device.